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IN THE CLAIMS:

The status and content of the claims follows.

- 1-20. (cancelled)
21. (withdrawn) A method of treating tinnitus comprising the steps of
applying to the tinnitus sufferer a first sound at a selected frequency, and
then applying to the tinnitus sufferer a succession of additional sounds at the same
frequency, each such additional sound being phase shifted with respect to the first sound
and with respect to the prior sound in the succession, the sounds in the succession being
incrementally spaced in phase over at least about a half wavelength at the selected
frequency.
22. (withdrawn) The method of claim 21 in which the selected frequency is at least
approximately equal to the frequency of the tinnitus sufferer's tinnitus.
23. (withdrawn) The method of claim 22 in which the frequency of the tinnitus sufferer is
determined by applying sound to the tinnitus sufferer at various frequencies until the
frequency of the applied sound corresponds at least approximately to the frequency of the
tinnitus.

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24. (withdrawn) A method of treating tinnitus comprising the steps of
applying to the tinnitus sufferer a sound at a selected frequency,
then applying to the tinnitus sufferer a succession of at least several additional
sounds at the same frequency, each such additional sound being phase shifted with
respect to the prior sound, and the sounds of the succession being spaced in phase in
substantially equal phase intervals, and
applying the sound at each of said phases for a fixed period of time.
25. (withdrawn) The method of claim 24 in which the frequency of the tinnitus sufferer is
determined by applying sound to the tinnitus sufferer at various frequencies until the
frequency of the applied sound corresponds at least approximately to the frequency of the
tinnitus.
26. (withdrawn) The method of claim 24 wherein at least nine phases are applied over at
least a half wavelength at the selected frequency.
27. (withdrawn) The method of claim 26 wherein a sound is applied at successive phase
shifts, each of which is about twenty degrees at the wavelength of the selected frequency,
the succession of additional sounds extending for at least about a half wavelength at the
selected frequency.

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28. (withdrawn) The method of claim 26 wherein the sound is applied for approximately 10 minutes at each of said phases.
29. (withdrawn) The method of claim 26 wherein at least thirty phases are applied over a period of at least about a half wavelength at the selected frequency.
- 30-31. (cancelled)
32. (withdrawn) A method of treating tinnitus comprising the steps of
applying to the tinnitus sufferer energy that varies substantially sinusoidally at a selected audio frequency and at a particular phase, and
then applying to the tinnitus sufferer additional audio energy at the same frequency, first at a predetermined phase shift with respect to the particular phase, then at a succession of phases, in successive phase increments over at least about a half wavelength at the selected audio frequency.
33. (withdrawn) The method of claim 32 wherein the different phases are at substantially equally spaced intervals over the approximate half wavelength.
34. (withdrawn) The method of claim 32 wherein the amplitude of the applied audio energy is substantially equal for each of the successive phase increments.

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35. (withdrawn) The method of claim 32 further including the step of repeating the method multiple times.
36. (withdrawn) The method of claim 32 wherein the audio energy is passed through a phase shift network in order to produce the successive phase shifts.
- 37-40. (cancelled)
41. (previously presented) Apparatus for treating tinnitus sufferers comprising
- a portable record member,
 - at least one audio recording track on said record member,
 - a succession of signal recordings in said recording track each at a predetermined audio frequency, the recordings being in a sequential phase shift sequence, such that the successive signal recordings at successive phase shifts each occupy a predetermined time along the recording track, the sum of the phases occupying a period of at least a half wavelength at said predetermined frequency.
42. (previously presented) Apparatus as in claim 41 wherein
- the portable record member includes perturbations that record the predetermined frequency at a predetermined amplitude, and the succession of signal recordings, at least a majority of which are at a different phase angle than the others.

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43. (previously presented) Apparatus as in claim 41 wherein each phase is recorded for a predetermined length of the recording track.
44. (previously presented) Apparatus as in claim 43 wherein each phase is recorded for the same length of the recording track.
45. (previously presented) Apparatus as in claim 44 wherein at least nine equal length phases are recorded over a period of about a half wavelength at the predetermined frequency.
46. (previously presented) Apparatus as in claim 44 wherein at least thirty phases are recorded over a period of about a half wavelength at the predetermined frequency.
47. (previously presented) Apparatus for treating tinnitus comprising
- first means for applying to the tinnitus sufferer a first sound at a selected frequency,
- second means for thereafter applying to the tinnitus sufferer a succession of additional sounds at the same frequency, each such additional sound being phase shifted with respect to the first sound and with respect to the prior sound in the succession, the phases being incrementally spaced over at least a half wavelength at the selected frequency.

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48. (previously presented) Apparatus as in claim 47 wherein the second means is for applying the sounds incrementally spaced in phase over at least a half wavelength at the selected frequency.
49. (currently amended) Apparatus for treating tinnitus comprising
a sound generator for producing sound at a selected audio frequency, and
amplitude, and
a phase shift network for shifting the phase of the produced sound at regular intervals, so that the sound is at one phase for a selected time period, and [[it]] then shifts in phase for each of successive intervals thereafter.
50. (previously presented) The apparatus in claim 49 further comprising
a transducer for receiving the output signals from the sound generator and
applying them to the tinnitus sufferer.
51. (previously presented) The apparatus in claim 49 wherein the phase shift network shifts the phase in equal increments at least nine times over about a half wavelength of the selected audio frequency.
52. (previously presented) The apparatus in claim 49 wherein the phase shift network changes the phase about every ten minutes.

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53. (previously presented) The apparatus in claim 49 wherein the phase shift network shifts the phase in equal increments at least thirty times over about a half wavelength of the selected audio frequency.
54. (previously presented) The apparatus in claim 53 wherein the phase shift network changes the phase about every minute.
55. (withdrawn) A method for the treatment of tinnitus comprising
applying a signal in the audio frequency range to a tinnitus patient,
varying the frequency of the signal and applying audio signals of different frequencies to the tinnitus patient, to enable the patient to select the frequency that he or she senses as being the frequency that corresponds to at least a major element of the patient's tinnitus,
varying the amplitude of the audio signal at the selected frequency and applying the signal to the patient at various amplitudes to enable the patient to select the amplitude that he or she senses as being approximately the amplitude of the patient's tinnitus,
using the resulting signal, at the patient selected frequency and amplitude, in the treatment of the patient's tinnitus by applying the resulting signal sequentially at different phase angles.
56. (withdrawn) The method of claim 55, wherein the step of applying a signal in the audio frequency range is repeated to enable the patient to select the frequency that corresponds to the frequency of at least a major element of the patient's tinnitus multiple times.

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57. (withdrawn) The method of claim 56, further including averaging at least certain of the frequencies selected during the multiple times.

58. (withdrawn) The method of claim 55, wherein a signal at the selected frequency and amplitude is applied to the tinnitus patient over a predetermined period of time.

59. (withdrawn) The method of claim 58, wherein the signal is applied at different phase angles through at least 180 degrees of phase.